

Flow	Flow Fraction	#sample Fraction	Flow adjusted Conc.	Weighted - Land-Use 2
0.083333	0.25	1	2.75	L1
0.166667	0.25	1	3	L1
0.25	0.25	1	3.25	L1
0.333333	1	0.6	2.4	L2
0.666667	1	0.6	4.8	L2
0.666667	1	0.6	3	L2
0.666667	1	0.6	3.6	L2
1	1	0.6	4.2	L2
0.5	1.5	0.6	6.3	L3
1	1.5	0.6	9.9	L3
1	1.5	0.6	7.2	L3
1	1.5	0.6	8.1	L3
1.5	1.5	0.6	9	L3
Concentrations				
Average		7.5		Average
Standard Deviation		2.6		Standard D
N		9		N
Min		2.4		Min
Max		9.9		Max
Mean UCL		9.1		Mean UCL
Distribution UCL		12		Distribution
"Load"				
Average Load		5.1		Average Lc
Minimum Load		1.6		Minimum L
Maximum Load		6.7		Maximum L
Mean UCL Load		6.2		Mean UCL
Upper Dist. Load		8.3		Upper Dist.

DEQ Approach						
Concentration	Zone Average	Area	Rain	Flow	Flow Weight	Flow adjust Conc.
11	12	1	0.166667	0.166667	0.09090909	1.090909091
12						
13						
4	6	4	0.166667	0.666667	0.36363636	2.181818182
8						
5						
6						
7						
7	9	6	0.166667	1	0.54545455	4.909090909
11						
8						
9						
10						
Concentrations						
	2.7					
Deviation	2.0					
	3					
	1.1					
	4.9					
	6					
UCL	8					
"Load"						
oad	5.0					
oad	2.0					
oad	9.0					
Load	11					
Load	16					

Assumptions:

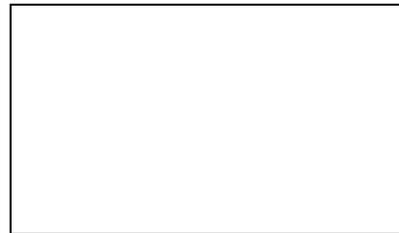
Three Light Industrial land use areas were sampled.



L1
A=1



L2
A=4



L3
A=6

Five Rain Events:

	inches	L1	L2	L3
Event 1	1	Yes	Yes	Yes
Event 2	2	No	Yes	Yes
Event 3	2	Yes	Yes	Yes
Event 4	2	No	Yes	Yes
Event 5	3	Yes	Yes	Yes
Average	2			
Concentration				

		L1	L2	L3
Event 1	Chemical A	11	4	7
Event 2	Chemical A NA		8	11
Event 3	Chemical A	12	5	8
Event 4	Chemical A NA		6	9
Event 5	Chemical A	13	7	10

Note: Relative flow is estimated by multiplying rain times area.